

CASTROL INDUSTRIAL NORTH AMERICA INC SPECIALTY PRODUCTS DIV -- ICEMATIC SW-68 --
9150-01-410-8972

===== Product Identification =====

Product ID:ICEMATIC SW-68

MSDS Date:07/13/2000

FSC:9150

NIIN:01-410-8972

Status Code:A

MSDS Number: CKWBG

=== Responsible Party ===

Company Name:CASTROL INDUSTRIAL NORTH AMERICA INC SPECIALTY PRODUCTS
DIV

Address:1001 WEST 31ST STREET

City:DOWNERS GROVE

State:IL

ZIP:60515-1280

Country:US

Info Phone Num:800-621-2661

Emergency Phone Num:714-660-9414/800-424-9300(CHEMTREC)

Resp. Party Other MSDS Num.:26010A

Chemtrec Ind/Phone:(800)424-9300

CAGE:2R128

=== Contractor Identification ===

Company Name:CASTROL INDUSTRIAL NORTH AMERICA INC SPECIALTY PRODUCTS
DIV

Address:1001 WEST 31ST STREET

Box:City:DOWNERS GROVE

State:IL

ZIP:60515-1280

Country:US

Phone:800-621-2661/ FAX: 630-241-4140

CAGE:2R128

Company Name:CHEMICAL SPECIALISTS AND DEVELOPMENT INC

Address:

2210 HACKBERRY LN

Box:687

City:CONROE

State:TX

ZIP:77305

Country:US

Phone:409-756-1065

Contract Num:SP0-450-01-M-C433

CAGE:4N760

===== Composition/Information on Ingredients =====

Ingred Name:CONTAINS NO INGREDIENTS NOW KNOWN TO BE HAZRDOUS BY OSHA
= Wt:100.

Code:F

Other REC Limits:NONE RECOMMENDED

===== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic: EYE-MAY CAUSE MILD EYE IRRITATION. SKIN CONTACT-CONCENTRATE MAY CAUSE SKIN IRRITATION. SKIN ABSORPTION-NO ACUTE EFFECTS EXPECTED. INGESTION-THIS PRODUCT MAY CAUSE GASTROINTESTINAL DISTRESS WITH SYMPTOMS OF NAUSEA, VOMITING, DIARRHEA, & ABDOMINAL PAIN. INHALATION-VAPOR MAY BE IRRITATING TO THE RESPIRATORY TRACT. CHRONIC EFFECTS: A REVIEW OF THE LITERATURE DOES NOT SHOW OBVIOUS LONG TERM HAZARD.

Explanation of Carcinogenicity: NO COMPONENT KNOWN TO BE PRESENT IN THIS PRODUCT AS >0.1% IS PRESENTLY LISTED AS A CARCINOGEN BY IARC, NTP OR OSHA .

Effects of Overexposure: INGESTION: SYMPTOMS OF NAUSEA, VOMITING, DIARRHEA & ABDOMINAL PAIN.

===== First Aid Measures =====

First Aid: EYES-FLUSH EYES WITH PLENTY OF WATER. GET MEDICAL AID IF IRRITATION OCCURS. SKIN-WASH WITH PLENTY OF SOAP & WATER. REMOVE CONTAMINATED CLOTHING. GET MEDICAL AID IF IRRITATION PERSISTS. USE SKIN CREAM FOR DEFATTED AREAS. INGESTION-ASPIRATION HAZARD. DO NOT INDUCE VOMITING OR GIVE ANYTHING BY MOUTH. DO NOT LEAVE VICTIM UNATTENDED. IF VOMITING OCCURS, OR IF COMATOSA OR LETHARGIC, PLACE ON THE LEFT SIDE WITH THE HEAD DOWN. SEEK IMMEDIATE MEDICAL AID. INHALATION-REMOVE FROM EXPOSURE. IF BREATHING HAS STOPPED, PERFORM CPR. KEEP PERSON WARM & AT REST. TREAT SYMPTOMATICALLY & SUPPORTIVELY. GET MEDICAL AID IMMEDIATELY.

===== Fire Fighting Measures =====

Flash Point Method: COC
Flash Point: >240.C, 464.F
Lower Limits: ND
Upper Limits: ND

Extinguishing Media: CARBON DIOXIDE, DRY CHEMICAL, FOAM.

Fire Fighting Procedures: WATER OR FOAM MAY CAUSE FROTHING. USE WATER TO KEEP FIRE EXPOSED CONTAINER COOL. WATER SPRAY MAY BE USED TO FLUSH SPILLS AWAY FROM EXPOSURE. FOR FIRES IN ENCLOSED AREAS, FIREFIGHTERS MUST USE SELF-CONTAINED BREATHING APPARATUS. PREVENT RUNOFF FROM FIRE CONTROL OR DILUTION FROM ENTERING STREAM OR DRINKING

G WATER
SUPPLY.

===== Accidental Release Measures =====

Spill Release Procedures: LARGE-WEAR APPROPRIATE PROTECTIVE CLOTHING. STOP SOURCE OF LEAK IF POSSIBLE. DIKE, CONTAIN SPILL & RECOVER FREE LIQUID. PREVENT ENTRY INTO WATERWAYS. SOAK UP RESIDUE WITH AN INERT ABSORBENT SUCH AS CLAY, SAND, OR OTHER SUITABLE MATERIAL. STORE & DISPOSE PROPERLY. FLUSH AREA WITH WATER. WHERE FEASIBLE & APPROPRIATE, REMOVE CONTAMINATED SOIL. SMALL-NEUTRALIZE &/OR SOAK UP SPILL WITH INERT ABSORBENT.

===== Handling and Storage =====

Handling and Storage Precautions: MAINTAIN AMBIENT TEMPERATURES. AVOID PROLONGED/REPEATED BREATHING OF VAPORS, MISTS, FUMES. KEEP CONTAINER TIGHTLY CLOSED. DO NOT STORE NEAR HEAT, FLAME, STRONG OXIDANTS. MAINTAIN ADEQUATE VENTILATION.

Other Precautions: SMALL SPILLS: STORE IN A CLOSED CONTAINER & DISPOSE OF PROPERLY.

===== Exposure Controls/Personal Protection =
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Respiratory Protection: GOOD INDUSTRIAL HYGIENE PRACTICES RECOMMEND THAT ENGINEERING CONTROLS BE USED TO REDUCE ENVIRONMENTAL CONCENTRATIONS TO THE THRESHOLD LIMIT VALUE (TLV), IF APPLICABLE. IF AN APPLICABLE TLV IS EXCEEDED PROVIDE NIOSH APPROVED RESPIRATORY PROTECTION.

Ventilation: PROVIDE SUFFICIENT MECHANICAL, GENERAL, AND/OR LOCAL EXHAUST TO MAINTAIN EXPOSURE BELOW TLV. >60 F3/MIN RECOMMENDED

Protective Gloves: USE NIOPRENE TYPE GLOVES WHEN HANDLING THIS PRODUCT.

Eye Protection: SAFETY GLASSES WITH SIDE SHIELD OR CHEMICAL GOGGLES.

Other Protective Equipment: IMPERVIOUS PROTECTIVE CLOTHING AND CHEMICAL RESISTANT SAFETY SHOES SHOULD BE WORN TO MINIMIZE CONTACT. EMERGENCY SHOWER AND EYEWASH FACILITY SHOULD BE PROVIDED IN WHICH THIS PRODUCT IS HANDLED.

Work Hygienic Practices: WASH CLOTHING BEFORE REUSE. WASH CONTAMINATED CLOTHING WITH SOAP AND WATER AND DRY BEFORE REUSE.

Supplemental Safety and Health

===== Physical/Chemi

cal Properties =====

HCC:N1
NRC/State Lic Num:NOT RELEVANT
Vapor Pres:NEGLIGIBLE
Vapor Density:>5
Spec Gravity:0.9700 +/-
Solubility in Water:0.1% IS PRESENTLY LISTED AS A
CARCINOGEN BY IARC, NTP OR OSHA .

===== Ecological Information =====

Ecological:ECOTOXICOLOGICAL INFORMATION: NO SPECIFIC ECOLOGICAL DATA
ARE AVAILABLE FOR THIS PRODUCT.

===== Disposal Considerations =====

Waste Disposal Methods:DISPOS
E OF IN ACCORDANCE WITH LOCAL, STATE, AND
FEDERAL REGULATIONS. DISPOSAL OF THIS MATERIAL TO THE LAND MAY BE
BANNED BY FEDERAL LAW (40 CFR 268).

===== MSDS Transport Information =====

Transport Information:HAZARDOUS MATERIALS DESCRIPTION/PROPER SHIPPING
NAME: NOT REGULATED. HAZARD CLASS: SAME AS ABOVE. IDENTIFICATION
NUMBER (UN OR NA NUMBER): SAME AS ABOVE. PACKING GROUP: SAME AS
ABOVE. FREIGHT CLASS: T ELEPHONE NUMBER FOR TRANSPORT INSTRUCTIONS
:
1-800-621-2661, SHEA DEPARTMRNT.

===== Regulatory Information =====

SARA Title III Information:U.S. FEDERAL REGULATIONS: HAZARDOUS PER OSHA
29 CFR 1910.1200: YES. CERCLA/EPCRA: SECTION 302 EXTREMELY
HAZARDOUS SUBSTANCE (EHS): NO LISTED INGREDIENTS ARE PRESENT ON THE
302 LIST. SECTION 311/312 HA ZARD CLASS(ES): IMMEDIATE: YES,
DELAYED: NO, FIRE: NO, REACTIVITY: NO, SUDDEN RELEASE OF RESSURE:
NO. SECTION 313 TOXIC CHEMICALS: THERE ARE N
O 313 CHEMICALS PRESENT
ABOVE THE THRESHOLD VALUES.

Federal Regulatory Information:OTHER U.S. FEDERAL REGULATIONS: THIS
PRODUCT IS A MIXTURE & IS NOT LISTED IN THE TSCA INVENTORY. THE
INDIVIDUAL INGREDIENTS IN THE PRODUCT ARE LISTED IN THE TSCA
INVENTORY. CERCLA REPORTABLE QUANTITY: THIS PRODUCT DOES NOT
CONTAIN ANY CERCLA REGULATED MATERIALS. US EPA HAZARDOUS WASTE
NUMBERS: THIS PRODUCT AS PURCHASED DOES NOT FALL UNDER CURRENT US
EPA RCRA DEFINITIONS OF HAZARDOUS WA

STE. UNDER R CRA IT IS THE
GENERATOR'S RESPONSIBILITY TO DETERMINE THE STATE OF THE WASTE AT
THE TIME OF ITS DISPOSAL.

===== Other Information =====

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assume responsibility for the suitability of this information to their
particular situation.